



zymöl enterprises, inc.
190 Champion Drive
Brooksville, FL 34601

SAFETY DATA SHEET

1. Product and Company Identification

1.1 Product Identifier

Product Name: Zymöl Natural Concentrate Auto Wash
Product Code (SKU): Z-530 (50446)

1.2 Relevant Identified Uses Of The Substance

Product Use: Vehicle Wash

1.3 Details of the Supplier of the SDS

Company Name: Zymöl Enterprises, Inc.
Street Address: 190 Champion Drive
City, State, Zip Code: Brooksville, FL 34601

1.4 Emergency Telephone Numbers

Phone Number: 1(800) 999-5563
Fax Number: Not available
Transportation: 1(800) 424-9300 (CHEMTREC) Call
Medical Assistance: your local Poison Control Center

2. Hazard Identification:

2.1 Classification of the Substance or Mixture

Hazard Classification: Serious Eye Irritation 2B

2.2 Label Elements

Pictogram: Not required

Signal Word: Warning

Hazard Statement: Causes eye irritation

Precautionary Statement: Wash hands thoroughly after handling. If in eyes, rinse thoroughly with water for 15 minutes. Remove contact lenses if present. If eye irritation persists, get medical attention.

2.3 Other Hazards

Description of additional HNOC: None

3. Information on Ingredients:

3.1 Substance not applicable

3.2 Mixture

<u>Component</u>	<u>CAS Number</u>	<u>Concentration (wt%)</u>
Water	7732-18-5	>80%
Sodium Lauryl sulfate	151-21-3	5-10%
Cocoamidopropyl Betaine	61789-40-0	1-5%
Sodium Dodecylbenzene Sulfonate	25155-30-0	1-5%
Sodium Chloride	7647-14-5	1-5%

4. **First Aid Measures:**

4.1 Description of First Aid Measures

Inhalation: Remove to fresh air and promote deep breathing. Get medical attention if effects persist.

Skin: In case of skin contact, wash thoroughly with soap and water. If irritation persists, get medical attention.

Eyes: In case of eye contact, immediately flush eyes with plenty of water. Remove contact lenses if worn. If irritation persists, get medical attention

Ingestion: If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if effects persist.

4.2 Most important symptoms and effects – acute and chronic

Inhalation: May cause respiratory tract irritation.

Skin: May cause skin irritation. May cause drying, cracking, or mild dermatitis.

Eyes: May cause temporary eye irritation. Symptoms may include redness, pain, Blinking, and excess tear production.

Ingestion: May cause stomach distress, nausea, and vomiting.

4.3 Indication of any immediate medical attention and special treatment

Symptoms may not appear immediately. Seek medical attention if effects persist and you feel unwell.

5. **Fire Fighting Measures:**

5.1 Extinguishing media

Water spray, carbon dioxide, dry chemical, and alcohol foam

a. **Special hazards arising from the substance or mixture**

CO₂, CO, and hydrocarbons

5.3 Advice for Fire Fighters

Keep up wind of fire. Wear full firefighting turn out gear (full bunker gear) and respiratory protection (SCBA). See Section 8 for personal protection.

6. **Accidental Release Measures:**

6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 Methods and materials for containment and clean up

For containment: Contain and absorb spill with inert material. Place in suitable container for disposal. Spilled material may be slippery.

For clean up: Take up material and place in a suitable container. Provide adequate ventilation. Spilled material may be slippery.

7. Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not swallow. Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. Launder all clothing and foot wear before re-use.

7.2 Conditions for safe storage including incompatibilities

Keep out of reach of children. Keep container tightly closed. Store in a well ventilated place. Do not store above 49°C (120°F).

7.3 Specific end uses

Shelf Life: Shelf life is considered to be 7 – 10 years when properly stored and kept closed.

8. Exposure Control/Personal Protection:

8.1 Control parameters

<u>Exposure Limits</u> <u>8 hr TWA:</u>	<u>(OSHA PEL)</u>	<u>(ACGIH TWA)</u>
Sodium Lauryl sulfate	not applicable	not applicable
Cocoamidopropyl Betaine	not applicable	not applicable
Sodium Dodecylbenzene Sulfonate	not applicable	not applicable
Sodium Chloride	not applicable	not applicable

8.2 Exposure controls

Use adequate ventilation to keep exposure below recommended limits. Ensure that eye wash station and safety shower are close to work station.

Hand Protection Equipment: Wear chemical resistant gloves and clothing to prevent skin contact.

Eye Protection Equipment: Wear safety glasses or splash goggles to prevent eye contact.

Skin and Body Protection: Wear suitable protective clothing.

Respiration/Ventilation Protection Requirements: Provide good ventilation.

Ingestion Protection Requirements: Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. Launder all clothing and foot wear before re-use.

9. Physical And Chemical Properties:

9.1 Information of basic chemical and physical properties

Physical Form:	opaque viscous liquid
Color:	light blue
Odor:	fruity banana and Coconut
Odor Threshold:	not available
pH:	7.9
Melting Point/Freeze Point:	0°C (32°F) – Based on Water
Initial Boiling Point:	100°C (212°F) – Based on Water

Flash Point (Seta Closed Cup):	>93°C (200°F)
Flammability Limits:	Explosive Limits: Upper: not available Lower: not available
Evaporation Rate:	not available
Flammability Solid/Gas:	not applicable
Vapor Pressure:	not available
Vapor Density:	not available
Specific Gravity:	1.011
Solubility in Water:	soluble
Auto Ignition Temperature:	not available
Partition coefficient (n/octonol/water):	not available
Viscosity:	4000 cP

9.2 Other information

%NVM by Weight:	14.0%
%VOC Content (California):	0.05%

10. Stability and Reactivity:

10.1 Reactivity

Does not react under normal conditions

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Does not react under normal conditions

10.4 Conditions to avoid

Heat and incompatible materials

10.5 Incompatible materials

Strong oxidizers such as bleach and peroxides

10.6 Hazardous decomposition products

CO₂, CO and hydrocarbons

11. Toxicological Information:

11.1 on Toxicological effects

Zymöl Natural Concentrate Auto Wash

LD50 – Oral Rat	>2000 mg/Kg
LD50 – Dermal Rabbit	>2000 mg/Kg
LC50 – Inhalation Rat	>20 mg/L (4 hr)

Sodium Lauryl Sulfate (151-21-3)

LD50 – Oral Rat	>1288 mg/Kg
LD50 – Dermal Rabbit	>2000 mg/Kg

Cocoamidopropyl Betaine (61789-40-0)

LD50 – Oral Rat	>5000 mg/Kg
LD50 – Dermal Rabbit	>2000 mg/Kg

Sodium Dodecylbenzene Sulfonate (25155-30-0)

LD50 – Oral Rat	>1080 mg/Kg
LD50 – Dermal Rabbit	>2000 mg/Kg
LC50 – Inhalation Rat	>20 mg/L (4 hr)

Sodium Chloride (7647-14-5)

LD50 – Oral Rat	>3560 mg/Kg
LD50 – Dermal Rabbit	>10000 mg/Kg
LC50 – Inhalation Rat	>42000 mg/m ³ (1 hr)

Skin corrosion/irritation	Based on available data, classification data are not met
Serious eye damage/irritation	Causes eye irritation
Respiratory or skin sensitization	Based on available data, classification data are not met
Germ cell mutagenicity	Based on available data, classification data are not met
Carcinogenicity	Based on available data, classification data are not met
Reproductive toxicity	Based on available data, classification data are not met
Specific target organs – single exposure	Based on available data, classification data are not met
Specific target organs – repeated exposure	Based on available data, classification data are not met
Aspiration hazard	Based on available data, classification data are not met
Symptoms/injuries after inhalation	May cause respiratory tract irritation
Symptoms/injuries after skin contact	May cause skin irritation. May cause drying, cracking, or mild dermatitis.
Symptoms/injuries after eye contact	May cause temporary eye irritation. Effects are not permanent.
Symptoms/injuries after ingestion	May cause stomach distress, nausea, and vomiting.

12. Ecological Information:

12.1 Toxicity

Not recommended for release into aquatic systems without treatment

12.2 Persistence and degradability

Not established

12.3 Bioaccumulative potential

Not established

12.4 Mobility in soil

Not established

12.5 Other adverse effects

None known

13. Disposal Considerations:

13.1 Waste treatment methods

RCRA Hazardous Waste:	not regulated as a hazardous waste
Waste Disposal Method:	Dispose of in accordance with local, state and federal regulations
Waste Disposal Vessel:	Plastic or metal drums.

14. Transportation Information:

14.1 UN number

None - not regulated as a hazardous material

14.2 UN Proper shipping name

None

14.3 Transport Hazard class

Not applicable

14.4 Packaging group

Not applicable

14.5 Marine Pollutant

No

14.6 Transportation in Bulk

Not applicable

14.7 Special precautions

None

15. Regulatory Information:

15.1 US Federal Regulations

TSCA Status: All ingredients are commercially available and listed by the manufacturer under TSCA.

15.2 Foreign Regulations

Canadian Status: All materials contained in this product are listed on the Canadian Domestic Substance List (DSL). Consult Zymöl Enterprises, Inc. regarding status of ingredients.

European Union: All materials contained in this product are listed on EINECS.

AICS: All materials are registered for AICS (Australia)

15.3 State Regulations

State Regulatory Information:

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements, contact the appropriate agency in your state.

California Prop 65:

<u>CAS Number</u>	<u>Concentration</u>	<u>State Code</u>
None		

15.4 HIMS & NFPA Classifications

HIMS Classification:	Health	1
	Flammability	1
	Reactivity	0

NFPA Classification:	Health	1
	Flammability	1
	Reactivity	0

16. Other Information:

Reason For Issue	Conversion to OSHA GHS SDS Format
Prepared By	James Heidel
Preparer's Title	Technical Director, R&D
SDS Administrator	Jean Mayszak – Technical Compliance Manager
Approval Date	January 13, 2015
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